



NATIONAL SCIENCE FOUNDATION

**Notice of Permit Applications Received
Under the Antarctic Conservation Act of 1978 (P.L. 95-541)**

AGENCY: National Science Foundation

ACTION: Notice of Permit Applications Received under the Antarctic Conservation Act of 1978, P.L. 95-541.

SUMMARY: The National Science Foundation (NSF) is required to publish a notice of permit applications received to conduct activities regulated under the Antarctic Conservation Act of 1978. NSF has published regulations under the Antarctic Conservation Act at Title 45 Part 670 of the Code of Federal Regulations. This is the required notice of permit applications received.

DATES: Interested parties are invited to submit written data, comments, or views with respect to this permit application by **[Insert 30 days from date of publication in the Federal Register]**. This application may be inspected by interested parties at the Permit Office, address below.

ADDRESSES: Comments should be addressed to Permit Office, Room 755, Division of Polar Programs, National Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230.

FOR FURTHER INFORMATION CONTACT: Nature McGinn, ACA Permit Officer, at the above address or ACApermits@nsf.gov or (703) 292-7149.

SUPPLEMENTAL INFORMATION: The National Science Foundation, as directed by the Antarctic Conservation Act of 1978 (Public Law 95-541), as amended by the Antarctic Science, Tourism and Conservation Act of 1996, has developed regulations for the establishment of a permit system for various activities in Antarctica and designation of certain animals and certain geographic areas requiring special protection. The regulations establish such a permit system to designate Antarctic Specially Protected Areas.

APPLICATION DETAILS:

1. Applicant

Permit Application: 2016-025

Dr. H. William Detrich, III
Dept. of Marine and Environmental Sciences
Northeastern University Marine Science Center
430 Nahant Rd.
Nahant, MA 01908

Activity for Which Permit is Requested

ASPAs entry; A permit is requested to enter ASPA 152 (Western Bransfield Strait) and ASPA 153 (Eastern Dallmann Bay) using the ARSV Laurence M. Gould to capture Antarctic fish by trawling and trapping. The collected fish would be used to study the effects of a warming Southern Ocean on development of the embryos of Antarctic fishes. Data collected under this permit would be part of a long-term (30-year) dataset. Approximately 50 hours of trawling would be conducted in ASPA 152 and approximately 20 hours would be conducted in ASPA 153. Sixteen traps would be set and allowed to soak for a total of 6 days. It is anticipated that approximately five hundred (500) individual fish representing four species (*Notothenia coriiceps*, *Chaenocephalus aceratus*, *Champscephalus gunnari*, *Gobionotothen gibberifrons*) would be captured in the ASPAs and used in the study. Live fishes would be transported to the aquarium facilities at Palmer Station for experimentation. Breeding and biochemical experiments would be conducted. All experimental animals would be humanely euthanized and properly disposed of outside the ASPAs

Location

ASPAs 152 Western Bransfield Strait and ASPA 153 Eastern Dallmann Bay

Dates

April 17, 2016 to September 1, 2018

Nadene G. Kennedy
Polar Coordination Specialist
Division of Polar Programs

